

ADEP.01USU1

REMARKS

Claims 1-20 are currently pending in the above-identified patent application. Pursuant to Examiner Interviews dated June 26, 2006 and June 27, 2006 with applicants' attorney, claims 1, 5, 6, 12, 13, and 16-20 have been amended, and several changes have been made to the subject Specification. No new matter has been added by these changes.

Claims 1, 6, and 13 were amended to recite that the level of the liquid is determined by the frequency difference between the frequencies of the resonant responses. Support for these amendments may be found from Eq. 3 and the surrounding discussion beginning on page 8, line 25, and ending on page 9, line 7 of the subject Specification, as originally filed.

Claims 5, 12 and 16, were amended to recite that a time-dependent response is generated in the liquid from which the liquid level is determined. Equations 4 and 5 and the attendant discussion beginning on page 9, line 8, and ending on page 10, line 5 of the subject Specification, as originally filed, provide support for these changes.

Claims 17-20 were amended to recite that if no resonant responses are present, the level of the liquid is below the means for detecting the presence of resonant responses. Support for these amendments is found on page 11, lines 11-14 of the subject Specification, as originally filed.

Obvious typographical errors were corrected in the paragraph beginning on page 8, line 29 and ending on page 9, line 7 in the Amendments to the Specification set forth hereinabove. The change made to this paragraph which states that the distance between the interior of the wall on which the transmitter pair is affixed and the liquid surface is readily continuously determined, finds support in Fig. 1, as originally filed, which shows the definition of "L."

In view of the discussion presented hereinabove, applicants believe that subject claims 1-20, as amended, are in condition for allowance, and such action by the Examiner at an early is earnestly solicited.

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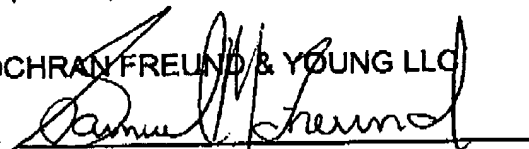
Reexamination and reconsideration are respectfully requested.

Respectfully submitted,

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